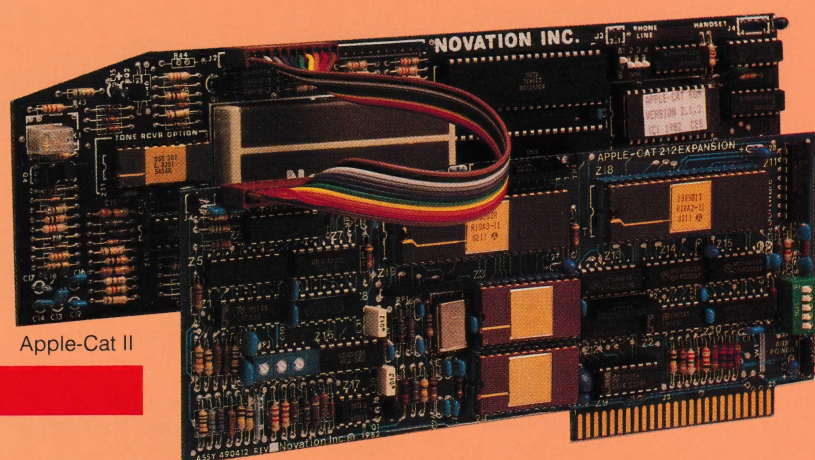# 212 Apple®-Cat™ II

Full Duplex 1200 for your Apple with a simple, plug-in module.

Novation

Apple-Cat II

212 Up-grade card

8-7-82

212 Apple-Cat™ II

Plug our new 212 upgrade module into your Apple along with our Apple-Cat II card and you instantly gain a number of unique advantages:

Full Duplex at 1200 baud over dial network

You get a 4 to 1 jump in data throughput with those systems programmed to work only in Full Duplex. That now includes the leading public data base services served by the packet-switched common carriers.

Now with one system you are compatible with *all* popular communications standards. This means Bell 100, 202 and 212 based systems will talk to your Apple II Computer.

You have all of the advanced features of the Apple-Cat II

It's a long list—automatic dialing and re-dialing, auto answer and disconnect, telephone handset supported by alternate data/voice operation, file transfer, deaf terminal mode—plus interfaces for touch tone receiver, cassette recorder, and BSR home appliance controllers. We include with your modem Com-Ware, a free software package to have you up and running in minutes.

Installation

The 212 Apple-Cat II uses state-of-the-art LSI and microcomputer technology to deliver outstanding performances with minimum power, minimum space.

It's a flexible 2 card system which can be configured to occupy one or two card slots of your Apple II. The optional Slot-Saver kit allows you to install the 212 upgrade module without occupying a second slot position.

If you now have an Apple-Cat II modem, the 212 module can be added as an upgrade.

Apple-Cat II (PN 490402)	$389*
212 Module (PN 490412)	$389
Both cards (PN 490502)	$725

Summary of Technical Specifications 212 Apple-Cat II PN190502

Data Rates and Communication Modes

Low Speed Mode:	0-300 bits per second (bps) asynchronous Full duplex
High Speed Modes:	1200 bps +1%–2.5% asynchronous 1200 bps synchronous Full Duplex
	0–1200 bps asynchronous Half duplex

Compatibilities

Low Speed Mode:	Bell 100 Series
High Speed Modes:	Bell 212A (Full Duplex) Bell 202 (Half Duplex)

Operating Modes

Auto Answer	Auto Dial/Redial	Auto Disconnect
Manual Answer	Manual Originate	Manual Disconnect
Alternate Voice	Deaf Terminal	File Transfer

Switched Network Interface
Direct Connect per FCC part 68
FCC Reg. No. AU 492X-69442-DP-E
Ringer Equivalence 0.88

Signalling Frequencies
Low Speed Full Duplex

Orig-Rec or Ans-Xmt	M:2225Hz	S:2025Hz
Orig-Xmt or Ans-Rec	M:1270Hz	S:1070Hz

High Speed Full Duplex-Carriers

Originate	T:1200 Hz	R:2400 Hz
Answer	T:2400 Hz	R:1200 Hz

High Speed Half Duplex—

Mark: 1300 Hz	Space: 2100 Hz	

Receiver Sensitivity
Signal levels greater than –45 dBm

Power Requirements for 2 Card Set
+5V/320 mA, +12V/130mA, –12V/2mA, –5V/15mA

Dimensions
2 card set, both less than 9.7" x 2.75"

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* Mfg. suggested retail prices   © 1982 Novation, Inc.   800198/0682

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